EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	115	562/586	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/31 07:21
L2	1572	((562/586) or (562/856) or (568/486) or (568/488) or (568/489) or (568/490) or (568/615) or (568/622)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/31 08:45
L3	8204727	reduc$5 or hydrogen$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/31 07:24
L4	964	hydrofluoroether	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/31 07:25
L5	1940726	platinum or pt!	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/31 08:45
L6	232	(l2 or l4) and l3 and l5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/31 07:26
L7	81722	catalyst near10 l5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/31 07:28
L8	81	l6 and l7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/31 08:40
L9	660	Picozzi.in. or Meo.in. or Tonelli.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/31 08:41

EAST Search History

L10	7	l3 and l5 and l7 and l9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/31 08:45
L11	1454	((562/586) or (562/856) or (568/486) or (568/488) or (568/489) or (568/490) or (568/615) or (568/622)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/31 08:45
L12	35047	platinum.clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 08:46
L13	16	l11 and l12	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 08:46

10/630,697

Connecting via Winsock to STN

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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	4	APR 04	STN AnaVist $500 visualization usage credit offered
NEWS	5	MAY 10	CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS	6	MAY 11	KOREAPAT updates resume
NEWS	7	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	8	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2
NEWS	9	MAY 30	The F-Term thesaurus is now available in CA/CAplus
NEWS	10	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS	11	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS	12	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS	13	JUl 11	CHEMSAFE reloaded and enhanced
NEWS	14	JUl 14	FSTA enhanced with Japanese patents
NEWS	15	JUl 19	Coverage of Research Disclosure reinstated in DWPI
NEWS	16	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	17	AUG 28	ADISCTI Reloaded and Enhanced
NEWS	18	AUG 30	CA(SM)/CAplus(SM) Austrian patent law changes

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 07:02:32 ON 31 AUG 2006

=> file reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION

10/630,697

FULL ESTIMATED COST 0.21 0.21

FILE 'REGISTRY' ENTERED AT 07:02:59 ON 31 AUG 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 30 AUG 2006 HIGHEST RN 905475-39-0
DICTIONARY FILE UPDATES: 30 AUG 2006 HIGHEST RN 905475-39-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 963

L1 SCREEN CREATED

=> screen 1992 OR 2016 OR 2021 OR 2026 OR 1838

L2 SCREEN CREATED

=>
Uploading C:\Documents and Settings\rkeys\My Documents\STNEXP4\TEMPLATE\STANDARD\10630697.str

```
chain nodes :
1  2  3  4  5  6  7  9  10  11  12  13  15  16  17  18
chain bonds :
1-2  2-3  2-4  4-5  4-6  4-9  6-7  7-18  10-11  11-12  11-13  11-15  15-16  16-17
exact/norm bonds :
2-3  4-6  4-9  6-7  11-13  11-15  15-16
exact bonds :
1-2  2-4  4-5  7-18  10-11  11-12  16-17


G1:F,CF3

Match level :
1:CLASS  2:CLASS  3:CLASS  4:CLASS  5:CLASS  6:CLASS  7:CLASS  9:CLASS  10:CLASS
11:CLASS  12:CLASS  13:CLASS  15:CLASS  16:CLASS  17:CLASS  18:CLASS
fragments assigned product role:
containing 10
fragments assigned reactant/reagent role:
containing 1



L3      STRUCTURE UPLOADED

=> que L3 AND L1 NOT L2

L4   QUE L3 AND L1 NOT L2

=> d
L4 HAS NO ANSWERS
L1              SCR 963
L2              SCR 1992 OR 2016 OR 2021 OR 2026 OR 1838
L3              STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.
L4              QUE  L3 AND L1 NOT L2


=> file reaction
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.88       1.09

FILE 'CASREACT' ENTERED AT 07:03:55 ON 31 AUG 2006
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FILE 'PS' ENTERED AT 07:03:55 ON 31 AUG 2006
COPYRIGHT (C) 2006 Thieme on STN

=> s l4
SAMPLE SEARCH INITIATED 07:04:11 FILE 'CASREACT'
SCREENING COMPLETE -        8 REACTIONS TO VERIFY FROM        2 DOCUMENTS

100.0% DONE       8 VERIFIED       0 HIT RXNS                      0 DOCS
```

10/630,697

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED VERIFICATIONS: 8 TO 329
PROJECTED ANSWERS: 0 TO 0

SAMPLE SEARCH INITIATED 07:04:13 FILE 'CHEMINFORMRX'
SCREENING COMPLETE - 3 REACTIONS TO VERIFY FROM 1 DOCUMENTS

100.0% DONE 3 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.07

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED VERIFICATIONS: 3 TO 163
PROJECTED ANSWERS: 0 TO 0

FULL SEARCH INITIATED 07:04:23 FILE 'DJSMONLINE'
SCREENING COMPLETE - 0 REACTIONS TO VERIFY FROM 0 DOCUMENTS

100.0% DONE 0 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.10

3 FILES SEARCHED...
FULL SEARCH INITIATED 07:04:35 FILE 'PS'
SCREENING COMPLETE - 0 REACTIONS TO VERIFY FROM 0 DOCUMENTS

100.0% DONE 0 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.03

L5 0 L4

=> s l4 ful
FULL SEARCH INITIATED 07:04:48 FILE 'CASREACT'
SCREENING COMPLETE - 153 REACTIONS TO VERIFY FROM 36 DOCUMENTS

100.0% DONE 153 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

FULL SEARCH INITIATED 07:04:49 FILE 'CHEMINFORMRX'
SCREENING COMPLETE - 16 REACTIONS TO VERIFY FROM 8 DOCUMENTS

100.0% DONE 16 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.12

FULL SEARCH INITIATED 07:05:02 FILE 'DJSMONLINE'
SCREENING COMPLETE - 0 REACTIONS TO VERIFY FROM 0 DOCUMENTS

100.0% DONE 0 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.02

3 FILES SEARCHED...
FULL SEARCH INITIATED 07:05:05 FILE 'PS'
SCREENING COMPLETE - 0 REACTIONS TO VERIFY FROM 0 DOCUMENTS

100.0% DONE 0 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

L6 0 L4

=> file stnguide
COST IN U.S. DOLLARS SINCE FILE TOTAL

10/630,697

	ENTRY	SESSION
FULL ESTIMATED COST	362.09	363.18

FILE 'STNGUIDE' ENTERED AT 07:05:18 ON 31 AUG 2006
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Aug 25, 2006 (20060825/UP).

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.18	363.36

FILE 'REGISTRY' ENTERED AT 07:07:06 ON 31 AUG 2006
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STRUCTURE FILE UPDATES: 30 AUG 2006 HIGHEST RN 905475-39-0
DICTIONARY FILE UPDATES: 30 AUG 2006 HIGHEST RN 905475-39-0

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

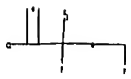
=> ....Testing the current file.... screen

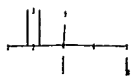
ENTER SCREEN EXPRESSION OR (END):end

=> screen 1992 OR 2016 OR 2021 OR 2026 OR 1838

L7 SCREEN CREATED

=>
Uploading C:\Documents and Settings\rkeys\My
Documents\STNEXP4\TEMPLATE\STANDARD\10630697a.str





chain nodes :
1 2 3 4 5 6 7 9 10
chain bonds :
1-2 2-3 2-4 4-5 4-6 4-9 6-7 7-10
exact/norm bonds :
2-3 4-6 4-9 6-7
exact bonds :
1-2 2-4 4-5 7-10

G1:F,CF3

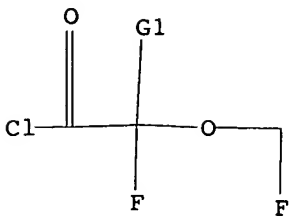
Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 9:CLASS 10:CLASS

L8 STRUCTURE UPLOADED

=> que L8 NOT L7

L9 QUE L8 NOT L7

=> d
L9 HAS NO ANSWERS
L7 SCR 1992 OR 2016 OR 2021 OR 2026 OR 1838
L8 STR



G1 F,CF3

Structure attributes must be viewed using STN Express query preparation.
L9 QUE L8 NOT L7

=> s l9
SAMPLE SEARCH INITIATED 07:07:24 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 224 TO ITERATE

100.0% PROCESSED 224 ITERATIONS 4 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 3583 TO 5377
PROJECTED ANSWERS: 4 TO 200

L10 4 SEA SSS SAM L8 NOT L7

=> s l9 ful
FULL SEARCH INITIATED 07:07:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 4079 TO ITERATE

100.0% PROCESSED 4079 ITERATIONS 35 ANSWERS
SEARCH TIME: 00.00.01

L11 35 SEA SSS FUL L8 NOT L7

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 166.94 530.30

FILE 'CAPLUS' ENTERED AT 07:07:39 ON 31 AUG 2006
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FILE COVERS 1907 - 31 Aug 2006 VOL 145 ISS 10
FILE LAST UPDATED: 29 Aug 2006 (20060829/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

```
=> s l11
L12         81 L11

=> s l12 and (reduc? or hydrogen?) and (platinum or group viii or group 8)
       2096495 REDUC?
       1200441 HYDROGEN?
        206744 PLATINUM
       1567707 GROUP
        103494 VIII
         12733 GROUP VIII
                 (GROUP(W)VIII)
       1567707 GROUP
       2733725 8
          2196 GROUP 8
                 (GROUP(W)8)
L13           0 L12 AND (REDUC? OR HYDROGEN?) AND (PLATINUM OR GROUP VIII OR
                GROUP 8)

=> s l12/prep
FIELD CODES CANNOT BE CHANGED HERE
You may have tried to apply a field code to a term that already has a
field code.  You can only add a field code to a term that has no field
code appended to it.

=> s l12/p
FIELD CODES CANNOT BE CHANGED HERE
You may have tried to apply a field code to a term that already has a
field code.  You can only add a field code to a term that has no field
code appended to it.

=> s l12 and (reduc? or hydrogen?)
       2096495 REDUC?
       1200441 HYDROGEN?
L14           8 L12 AND (REDUC? OR HYDROGEN?)

=> dup rem l14
PROCESSING COMPLETED FOR L14
L15           8 DUP REM L14 (0 DUPLICATES REMOVED)

=> d 1-8 bib ab

L15  ANSWER 1 OF 8  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   2002:338025  CAPLUS
DN   137:212705
TI   Synthesis of fluorinated NAD as a soluble coenzyme for enzymatic chemistry
     in fluorous solvents and carbon dioxide
AU   Panza, Janice L.; Russell, Alan J.; Beckman, Eric J.
CS   Department of Chemical and Petroleum Engineering, University of
     Pittsburgh, Pittsburgh, PA, 15261, USA
SO   Tetrahedron (2002), 58(20), 4091-4104
     CODEN: TETRAB; ISSN: 0040-4020
PB   Elsevier Science Ltd.
DT   Journal
LA   English
OS   CASREACT 137:212705
AB   The synthesis of the coenzyme NAD (NAD) with an covalently attached
     fluorinated polymer is reported.  The fluorinated NAD (FNAD) was rendered
```

soluble in both fluorous solvents and liquid carbon dioxide due to the attachment of a perfluoropolyether. The enzyme horse liver alc. dehydrogenase (HLADH) was active in catalyzing oxidation/reduction reactions using FNAD as a soluble coenzyme in a fluorous solvent, methoxynonafluorobutane (HFE), and liquid carbon dioxide. In both solvents, the activity of HLADH using FNAD was greater than the same molar amount of unmodified (insol.) NAD, indicating that a soluble coenzyme results in more efficient reactions.
RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1993:625594 CAPLUS
DN 119:225594
TI Preparation of perfluorooxaalkanoyl halides and bis(perfluorooxaalkanoyl) peroxides
IN Sawada, Hideo; Matsumoto, Takeo; Nakayama, Masaharu
PA Nippon Oils & Fats Co Ltd, Japan
SO Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 05170731	A2	19930709	JP 1991-341515	19911224
PRAI JP 1991-341515		19911224		

AB RfCOX and RfCO2OCORf1 [Rf, Rf1 = CF3[[OCF(CF3)CF2]n(OCF2)m]; X = Br, Cl, F; n, m = 1-10] are prepared Chlorination of CF3OCF(CF3)CF2OCF2CO2H with POCl3 in DMF at 100° for 5 h gave 88% CF3OCF(CF3)CF2OCF2COCl, which was treated with H2O2 in CF3CF2CHCl2-CClF2CF2CHFCl mixture at temperature between -5° and +5° to give 79% [CF3OCF(CF3)CF2OCF2CO2]2.

L15 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1986:625978 CAPLUS
DN 105:225978
TI Asymmetric addition of hydrogen cyanide to substituted benzaldehydes catalyzed by a synthetic cyclic peptide, cyclo[(S)-phenylalanyl-(S)-histidyl]
AU Kobayashi, Yoshiyuki; Asada, Shoichi; Watanabe, Ichigen; Hayashi, Hiroaki; Motoo, Yoshiyuki; Inoue, Shohei
CS Fac. Eng., Univ. Tokyo, Tokyo, 113, Japan
SO Bulletin of the Chemical Society of Japan (1986), 59(3), 893-5
CODEN: BCSJA8; ISSN: 0009-2673
DT Journal
LA English
OS CASREACT 105:225978
AB Optically active RC6H4CH(OH)CN (R = H, 4-Me, 3-Me, 2-Me, 3-MeO, 3-PhO) were prepared in 33-90% enantiomeric excess by addition of HCN to RC6H4CHO in C6H6 in the presence of cyclo[(S)-phenylalanyl-(S)-histidyl]. Highest optical yields were realized in nonpolar solvents, whereas, no asym. induction occurred in MeOH or Me2SO.

L15 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1984:103740 CAPLUS
DN 100:103740
TI Synthesis of chiral steroid CD-ring synthon from D-leucine by means of diastereotopic face selection
AU Takahashi, Takashi; Okumoto, Hiroshi; Tsuji, Jiro; Harada, Nobuyuki
CS Dep. Chem. Eng., Tokyo Inst. Technol., Tokyo, 152, Japan
SO Journal of Organic Chemistry (1984), 49(5), 948-50
CODEN: JOCEAH; ISSN: 0022-3263

DT Journal
LA English
AB The synthesis of indanone I is described, in which the correct absolute configuration is produced from D-leucine via the cis-vinyl iodide II (R = H), which serves to control the chirality of the rest of I by means of a remarkably effective diastereotopic face-selection. The optical purity of I and II (R = H) were checked by the 19F NMR of their (F3C)CFOCF(CF3)CO2H esters. The relative and absolute configuration of I and (-)-dienone III were determined by NMR and CD data. Thus, successive treatment of II (R = MeOCMe2) with BuLi, CuI-PBu3, 2-methyl-2-cyclopentenone, H2C:C(SiMe3)COMe, NaOMe, and HCl gave 58% I.

L15 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1985:5467 CAPLUS
DN 102:5467
TI Thermal decomposition of (trifluoromethoxy)difluoroacetyl peroxide in heptane as a method of generating (trifluoromethoxy)difluoromethyl radicals
AU Komendantov, A. M.; Berenblit, V. V.; Sass, V.; Sokolov, S. V.
CS Vses. Nauchno-Issled. Inst. Sint. Kauch., USSR
SO Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva im. D. I. Mendeleeva (1984), 29(3), 353-4
CODEN: ZVKOA6; ISSN: 0373-0247
DT Journal
LA Russian
AB The thermolysis of (CF3OCF2CO)2O2 at 5-30° was a monomol., 1st-order process with activation energy 97 kJ/mol. The resulting CF3OCF• radical abstracted H from heptane to give CF3OCF2H quant. within 20 min at 50° with no side reaction.

L15 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1984:422810 CAPLUS
DN 101:22810
TI Thermal decomposition of 2-(trifluoromethoxy)perfluoropropionyl peroxide in heptane as a method for the generation of 1-(trifluoromethoxy)perfluoroethyl radicals
AU Komendantov, A. M.; Starobin, Yu. K.; Berenblit, V. V.; Sass, V. P.; Sokolov, S. V.
CS Vses. Nauchno-Issled. Inst. Sint. Kauch., Leningrad, USSR
SO Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva im. D. I. Mendeleeva (1984), 29(1), 113-14
CODEN: ZVKOA6; ISSN: 0373-0247
DT Journal
LA Russian
OS CASREACT 101:22810
AB The title thermolysis at 5-25° was 1st order in peroxide. The resulting •CF(CF3)OCF3 abstracted H from the solvent to give CF3OCHFOCF3.

L15 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1976:432486 CAPLUS
DN 85:32486
TI The reduction of perfluoroacyl halides with organosilicon hydrides. A direct synthesis of fluorine-containing esters and lactones
AU Croft, Thomas S.; McBrady, John J.
CS Cent. Res. Lab., 3M Co., St. Paul, MN, USA
SO Journal of Organic Chemistry (1976), 41(13), 2256-8
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English
AB Reaction of perfluoroacyl halides with organosilicon halides in the presence of KF, ZnCl2, and Pt/C gave 1,1-dihydroperfluoroalkyl perfluoroacylates. E.g., reaction of 2.8 g CF3CF2O(CF2)2COF with Me3SiH

for 18 hr at 180° in the presence of the above catalysts gave 0.5 g CF3CF2O(CF2)2CO2CH2(CF2)2OCF2CF3. Similarly, I was prepared from perfluorocyclohexanecarbonyl fluoride; II (x = bond, CF2, O) were prepared from perfluorosuccinyl or perfluoroglutaryl fluoride or O(CF2COCl)2.

L15 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1975:594115 CAPLUS
DN 83:194115
TI Perfluorinated linear polyethers having reactive terminal groups at both ends of the chain
IN Sianesi, Dario; Caporiccio, Gerardo; Mensi, Domenico
PA Montedison S.p.A., Italy
SO U.S., 14 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 3847978	A	19741112	US 1969-834486	19690618
PRAI US 1968-787309	A2	19681226		

AB Perfluorinated linear polyethers containing peroxidic linkages were chain-cleaved by reducing agents to give bifunctional perfluorinated linear oligopolyethers with chemical-reactive terminal groups. Thus, hexafluoropropene [116-15-4] was treated with oxygen under the influence of uv light to give a peroxidized poly(perfluoropropylene oxide) [25038-02-2] which was reduced by H over a Pd catalyst to give a series of carboxy- and trifluoroacetyl-terminated oligopolyethers. One of these, CF3COCF2O(C3F6O)2CF(CF3)CO2H [42775-40-6], boiling point 210-2°, formed a polymer with hexamethylenediamine [55809-69-3].

=> file stnguide

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	44.07	574.37

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-6.00	-6.00

FILE 'STNGUIDE' ENTERED AT 07:13:31 ON 31 AUG 2006

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Aug 25, 2006 (20060825/UP).

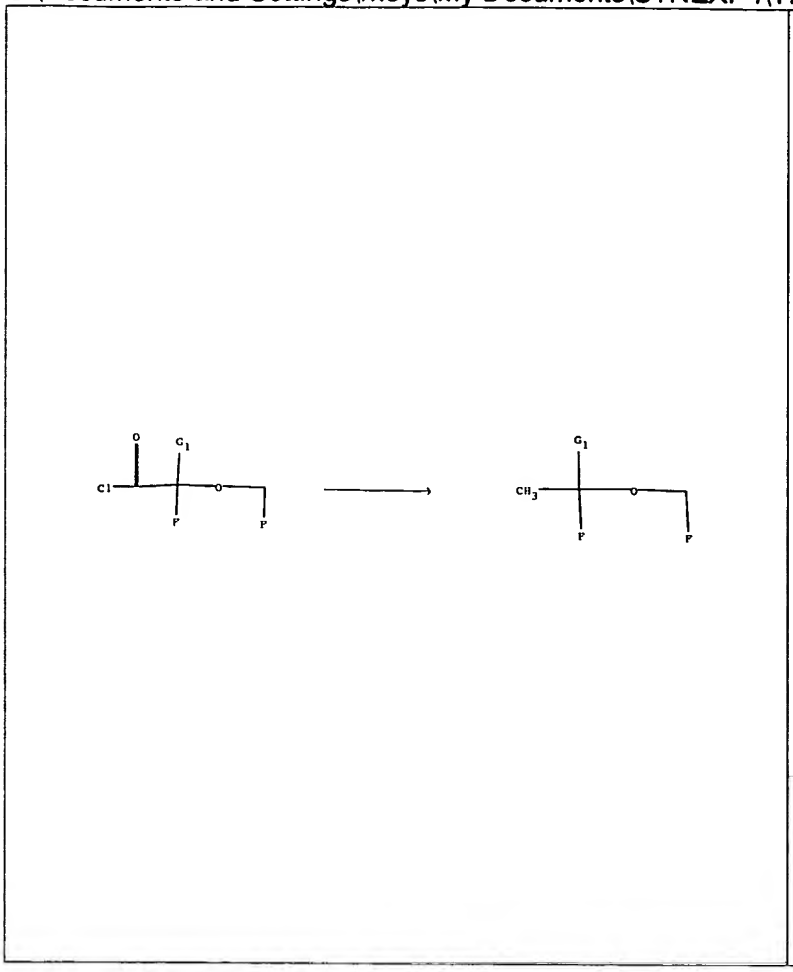
=> log y

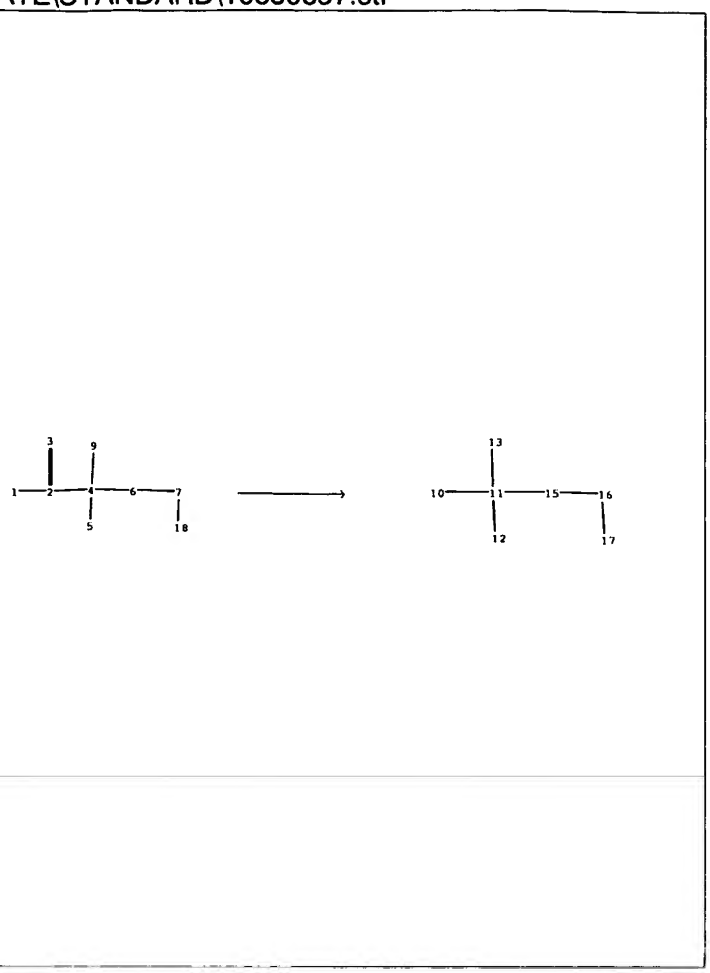
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	574.79

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-6.00

STN INTERNATIONAL LOGOFF AT 07:17:27 ON 31 AUG 2006

C:\Documents and Settings\rkeys\My Documents\STNEXP4\TEMPLATE\STANDARD\10630697.str





chain nodes :
1 2 3 4 5 6 7 9 10 11 12 13 15 16 17 18
chain bonds :
1-2 2-3 2-4 4-5 4-6 4-9 6-7 7-18 10-11 11-12 11-13 11-15 15-16 16-17
exact/norm bonds :
2-3 4-6 4-9 6-7 11-13 11-15 15-16
exact bonds :
1-2 2-4 4-5 7-18 10-11 11-12 16-17

G1:F,CF3

Match level :
1:CLASS2:CLASS3:CLASS4:CLASS5:CLASS6:CLASS7:CLASS9:CLASS10:CLASS11:CLASS12:CLASS13:CLASS
15:CLASS16:CLASS17:CLASS18:CLASS
fragments assigned product role:
containing 10
fragments assigned reactant/reagent role:
containing 1